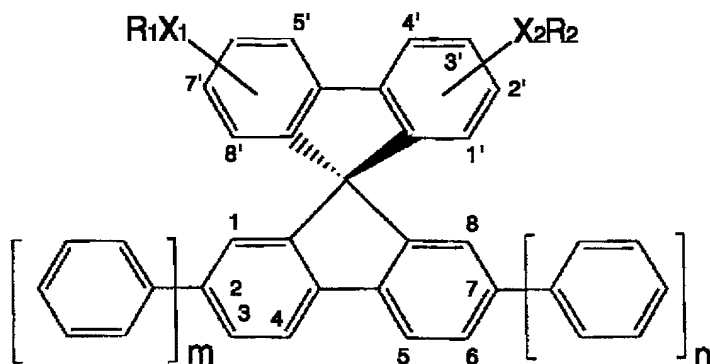


What is claimed is:

1. A bisphenylene-spirobifluorene compound defined by the following formula:



wherein  $R_1$  and  $R_2$  are identical or different and are independently a straight-chain or branched alkyl group having from 1 to 22 carbon atoms,  $X_1$  and  $X_2$  independently contains one or more elements selected from the group consisting of C, O, N, S, Si and Ge, and  $m$  and  $n$  are integers from 1 to 4.

2. The bisphenylene-spirobifluorene compound according to claim 1, wherein  $X_1R_1$  and  $X_2R_2$  are at 1',6'-positions.

3. The bisphenylene-spirobifluorene compound according to claim 1, wherein  $X_1R_1$  and  $X_2R_2$  are at 3',6'-positions.

4. A method of preparing bisphenylene-spirobifluorene compound comprising the steps of:

forming a biphenyl compound having  $X_1R_1$  and  $X_2R_2$  in which  $R_1$  and  $R_2$  are identical or different and are independently a straight-chain or branched alkyl group having from 1 to 22 carbon atoms, and  $X_1$  and  $X_2$  independently contains one or more elements selected from the group consisting of C, O, N, S, Si and Ge;

forming a biphenylyl-halogenated fluoreneol compound having the  $X_1R_1$  and  $X_2R_2$  by reacting the biphenyl compound with halogenated fluoreneone;

forming a halogenated spirobifluorene compound having the  $X_1R_1$  and  $X_2R_2$  from the biphenyl-halogenated fluoreneol compound by cyclization; and

forming a bisphenylene-spirobifluorene compound having the  $X_1R_1$  and  $X_2R_2$  by substituting halogen of the halogenated spirobifluorene compound by a phenyl group.

5            5.        The method according to claim 4, wherein in the step of forming the biphenyl-halogenated fluoreneol compound, a metal-halogen ligand substitution reaction is employed..

10           6.        An electroluminescence (EL) material comprising the bisphenylene-spirobifluorene compound claimed in any one of claims 1 through 3.

15           7.        The EL material according to claim 6, wherein the bisphenylene-spirobifluorene compound is contained in an amount of 10% by weight or more.

20           8.        An electroluminescence (EL) device comprising:  
a cathode;  
an anode; and  
a light-emitting layer interposed between the cathode and the anode and containing the EL material as claimed in one of claims 1 through 3.

25           9.        The EL device according to claim 8, wherein the bisphenylene-spirobifluorene compound is contained in the light emitting layer in an amount of 10% to 100% by weight.